



1/33

FIG. 1A

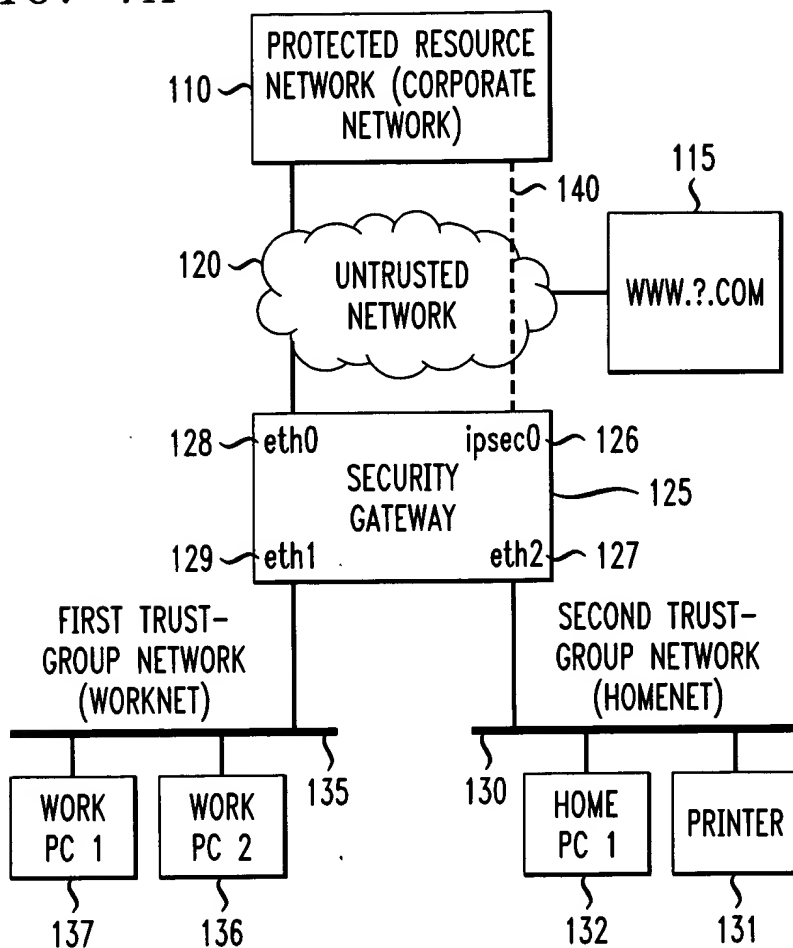
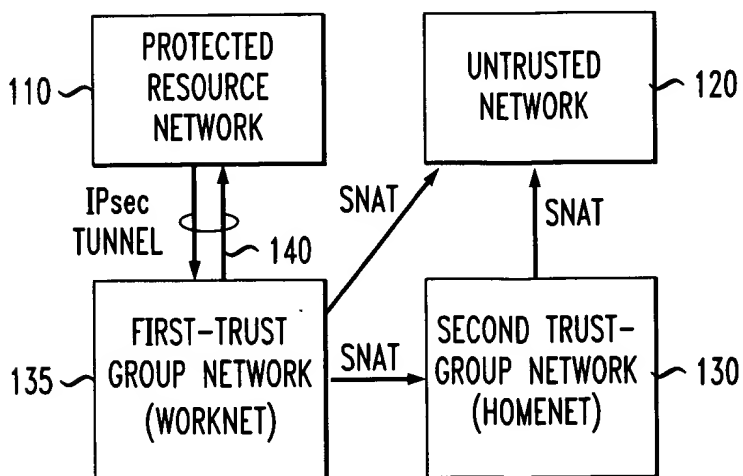


FIG. 1B



2/33

FIG. 1C

worknet/homenet									
Chain PREROUTING (policy DROP 0 packets, 0 bytes)									
160	161	162	163	164	165	166	167		
	target	prot	opt	in	out	source	destination		
	bytes								
	pkts								
170	0	DROP	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp	dpt : 25
	0	DROP	--	ipsec0	*	0.0.0.0/0	135.207.12.201	tcp	dpt : 25
	0	DROP	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp	dpt : 53
	0	DROP	--	ipsec0	*	0.0.0.0/0	135.207.12.201	tcp	dpt : 53
	0	DROP	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp	dpt : 6010
	0	DROP	--	ipsec0	*	0.0.0.0/0	135.207.12.201	tcp	dpt : 6010
	0	DROP	--	eth0	*	0.0.0.0/0	0.0.0.0/0	udp	dpt : 53
	0	DROP	--	ipsec0	*	0.0.0.0/0	135.207.12.201	udp	dpt : 53
171	0	DROP	--	eth0	*	0.0.0.0/0	0.0.0.0/0	udp	dpt : 1025
	0	DROP	--	ipsec0	*	0.0.0.0/0	135.207.12.201	udp	dpt : 1025
172	0	ACCEPT	--	lo	*	0.0.0.0/0	0.0.0.0/0		
	0	DROP	--	eth1	*	!135.207.12.200/29	0.0.0.0/0		
	0	DROP	--	eth1	*	0.0.0.0/0	10.128.0.2		
	0	ACCEPT	--	eth1	*	0.0.0.0/0	0.0.0.0/0		
173	0	DROP	--	eth2	*	!10.0.0.0/9	0.0.0.0/0		
	0	DROP	--	eth2	*	0.0.0.0/0	10.128.0.2		
	0	DROP	--	eth2	*	0.0.0.0/0	135.207.12.200/29		
	0	ACCEPT	--	eth2	*	0.0.0.0/0	0.0.0.0/0		
174	0	ACCEPT	--	ipsec0	*	135.0.0.0/8	135.207.12.200/29		
	0	DROP	--	ipsec0	*	0.0.0.0/0	0.0.0.0/0		
175	0	DROP	--	eth0	*	0.0.0.0/0	!10.128.0.2		
	0	ACCEPT	--	eth0	*	0.0.0.0/0	0.0.0.0/0		
176	0	DROP	--	*	*	0.0.0.0/0	0.0.0.0/0		

3/33

FIG. 1D

180

worknet/homenet

```
----- Routing rules:
181 { 0:    from all lookup local
      500:  from all iif eth1 lookup from.work.ifc
      500:  from all iif lo lookup from.this.host
      32766: from all lookup main
      32767: from all lookup default
----- Main routing table (main) :
182 { 135.207.12.200/29 dev eth1  scope link  src 135.207.12.201
      10.128.0.0/24 dev eth0  scope link
      10.0.0.0/9 dev eth2  scope link  src 10.0.0.1
      127.0.0.0/8 dev lo  scope link
      default via 10.128.0.1 dev eth0  src 10.128.0.2
----- Routing for packets from work_ifc to tunnel ( from.work.ifc ) :
183 { blackhole 135.207.12.200/29
      135.0.0.0/8 dev ipsec0  scope link
----- Routing for packets from localhost to tunnel ( from.this.host ) :
184 { 135.207.12.200/29 dev eth1  scope link  src 135.207.12.201
      135.0.0.0/8 dev ispec0  scope link  src 135.207.12.201
```

FIG. 1E

190

worknet/homenet									
Chain PREROUTING (policy ACCEPT 0 packets, 0 bytes)									
191	pkts	bytes	target	prot	opt	in	out	source	destination
192	0	0	SNAT	all	--	*	eth0	0.0.0.0/0	to:10.128.0.2
	0	0	SNAT	all	--	*	eth2	0.0.0.0/0	to:10.0.0.1

5/33

FIG. 2A

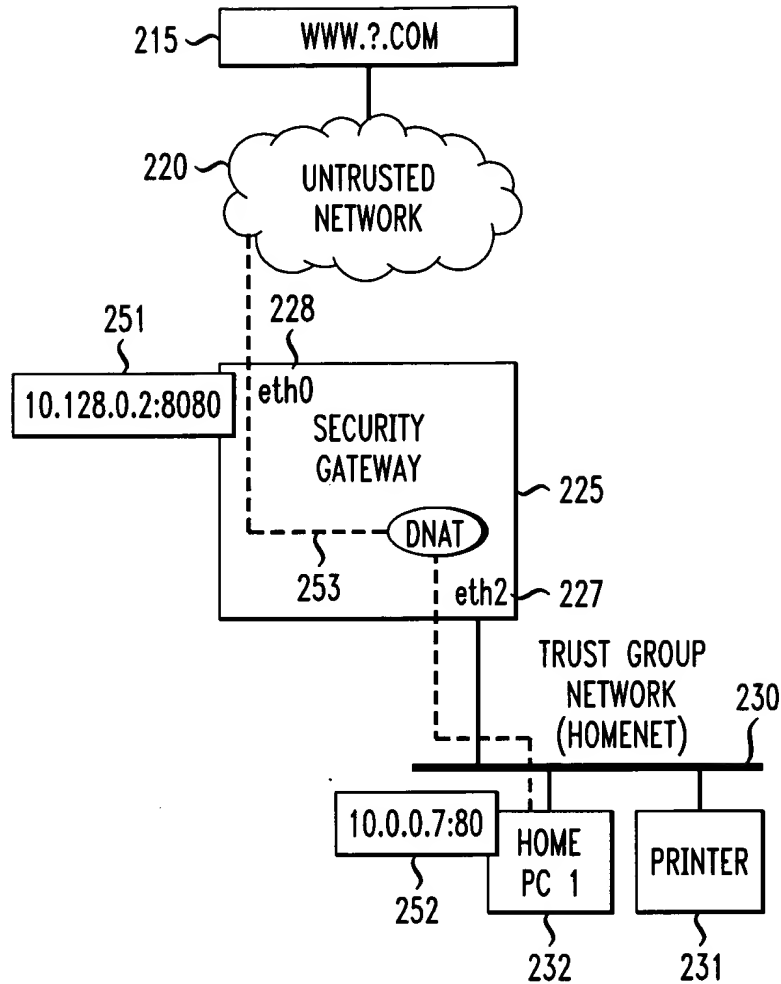


FIG. 2B

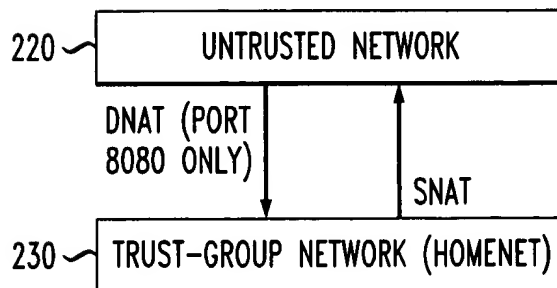


FIG. 2C

260

homenet/web-server (without worknet)

Chain PREROUTING (policy DROP 0 packets, 0 bytes)

pkts	bytes	target	prot	opt	in	out	source	destination	
270	0	DROP	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 25
	0	DROP	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 53
	0	DROP	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 6010
271	0	DROP	udp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	udp dpt : 53
	0	DROP	udp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	udp dpt : 1025
	0	ACCEPT	all	--	lo	*	0.0.0.0/0	0.0.0.0/0	
272	0	DROP	all	--	eth2	*	!10.0.0.0/9	0.0.0.0/0	
	0	DROP	all	--	eth2	*	0.0.0.0/0	10.128.0.2	
	0	ACCEPT	all	--	eth2	*	0.0.0.0/0	0.0.0.0/0	
273	0	DROP	all	--	eth0	*	0.0.0.0/0	!10.128.0.2	
	0	DNAT	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 8080
	to:10.0.0.7:80	0	ACCEPT	--	eth0	*	0.0.0.0/0	0.0.0.0/0	
274	0	DROP	all	--	*	*	0.0.0.0/0	0.0.0.0/0	

7/33

FIG. 2D

280

homenet/web-server (without worknet)

```
----- Routing rules:
281 { 0:      from all lookup local
      32766:  from all lookup main
      32767:  from all lookup default
----- Main routing table (main) :
282 { 10.128.0.0/24 dev eth0  scope link
      10.0.0.0/9 dev eth2  scope link src 10.0.0.1
      127.0.0.0/8 dev lo   scope link
      default via 10.128.0.1 dev eth0  src 10.128.0.2
```

8/33

FIG. 2E

290

homenet/web-server (without worknet)

Chain POSTROUTING (policy ACCEPT 0 packets, 0 bytes)

pkts	bytes	target	prot	opt	in	out	source	destination
291 ~ 0	0	SNAT	all	--	*	eth0	0.0.0.0/0	to:10.128.0.2
292 ~ 0	0	SNAT	all	--	*	eth2	0.0.0.0/0	to:10.0.0.1

9/33

FIG. 3A

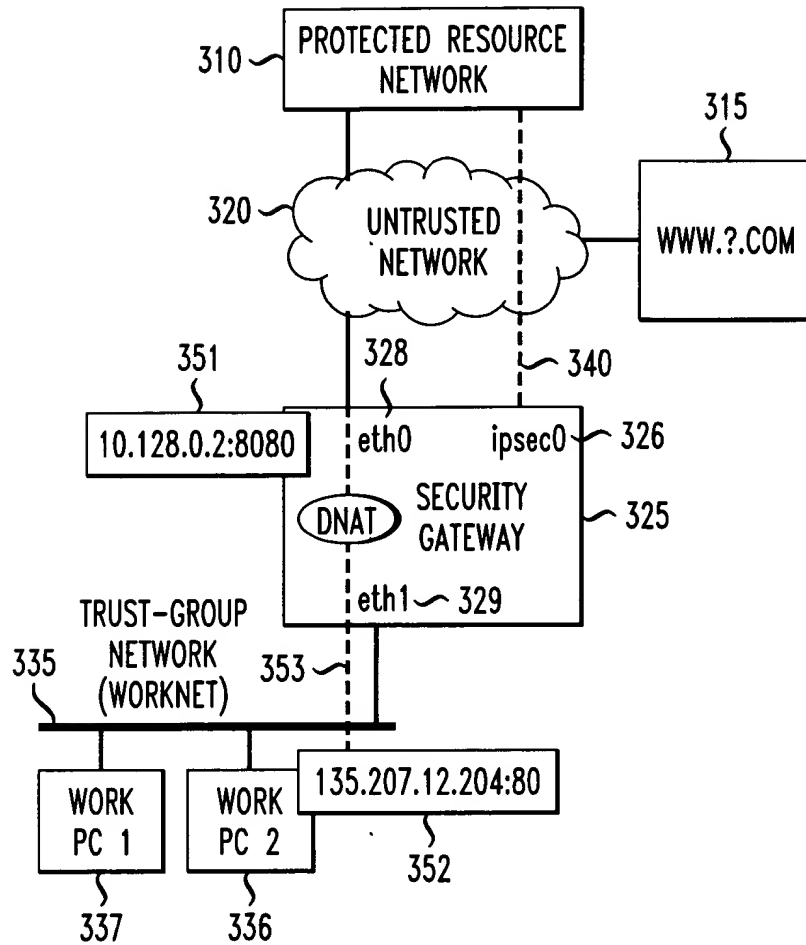
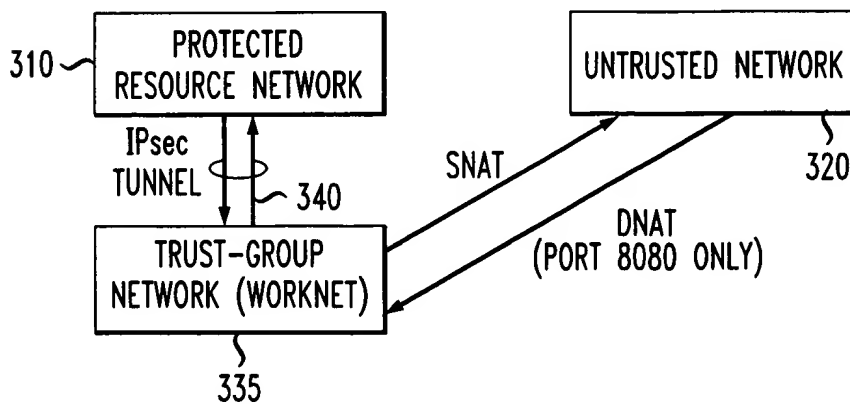


FIG. 3B



10/33

FIG. 3C

360

worknet plus web server									
Chain PREROUTING (policy DROP 0 packets, 0 bytes)									
pkts	bytes	target	prot	opt	in	out	source	destination	
370 {	0	DROP	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 25
	0	DROP	tcp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	tcp dpt : 25
	0	DROP	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 53
	0	DROP	tcp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	tcp dpt : 53
	0	DROP	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 6010
	0	DROP	tcp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	tcp dpt : 6010
	0	DROP	udp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	udp dpt : 53
	0	DROP	udp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	udp dpt : 53
	0	DROP	udp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	udp dpt : 1025
	0	DROP	udp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	udp dpt : 1025
371 ~	0	ACCEPT	all	--	lo	*	0.0.0.0/0	0.0.0.0/0	
372 {	0	DROP	all	--	eth1	*	!135.207.12.200/29	0.0.0.0/0	
	0	DROP	all	--	eth1	*	0.0.0.0/0	10.128.0.2	
	0	ACCEPT	all	--	eth1	*	0.0.0.0/0	0.0.0.0/0	
373 {	0	ACCEPT	all	--	ipsec0	*	135.0.0.0/8	135.207.12.200/29	
	0	DROP	all	--	ipsec0	*	0.0.0.0/0	0.0.0.0/0	
	0	DROP	all	--	eth0	*	0.0.0.0/0	!10.128.0.2	
374 {	0	DNAT	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 8080
	0	to:135.207.12.204:80							
	0	ACCEPT	all	--	eth0	*	0.0.0.0/0	0.0.0.0/0	
375 ~	0	DROP	all	--	*	*	0.0.0.0/0	0.0.0.0/0	

11/33

FIG. 3D

380

worknet plus web server

```
----- Routing rules:
381 { 0:    from all lookup local
      500:  from all iif eth1 lookup from.work.ifc
      500:  from all iif lo lookup from.this.host
      32766: from all lookup main
      32767: from all lookup default
----- Main routing table (main) :
382 { 135.207.12.200/29 dev eth1  scope link  src 135.207.12.201
      10.128.0.0/24 dev eth0  scope link
      127.0.0.0/8 dev lo  scope link
      default via 10.128.0.1 dev eth0  src 10.128.0.2
----- Routing for packets from work_ifc to tunnel ( from.work.ifc ) :
383 { blackhole 135.207.12.200/29
      135.0.0.0/8 dev ipsec0  scope link
----- Routing for packets from localhost to tunnel ( from.this.host ) :
384 { 135.207.12.200/29 dev eth1  scope link  src 135.207.12.201
      135.0.0.0/8 dev ispec0  scope link  src 135.207.12.201
```

12/33

FIG. 3E

390

worknet plus web server.

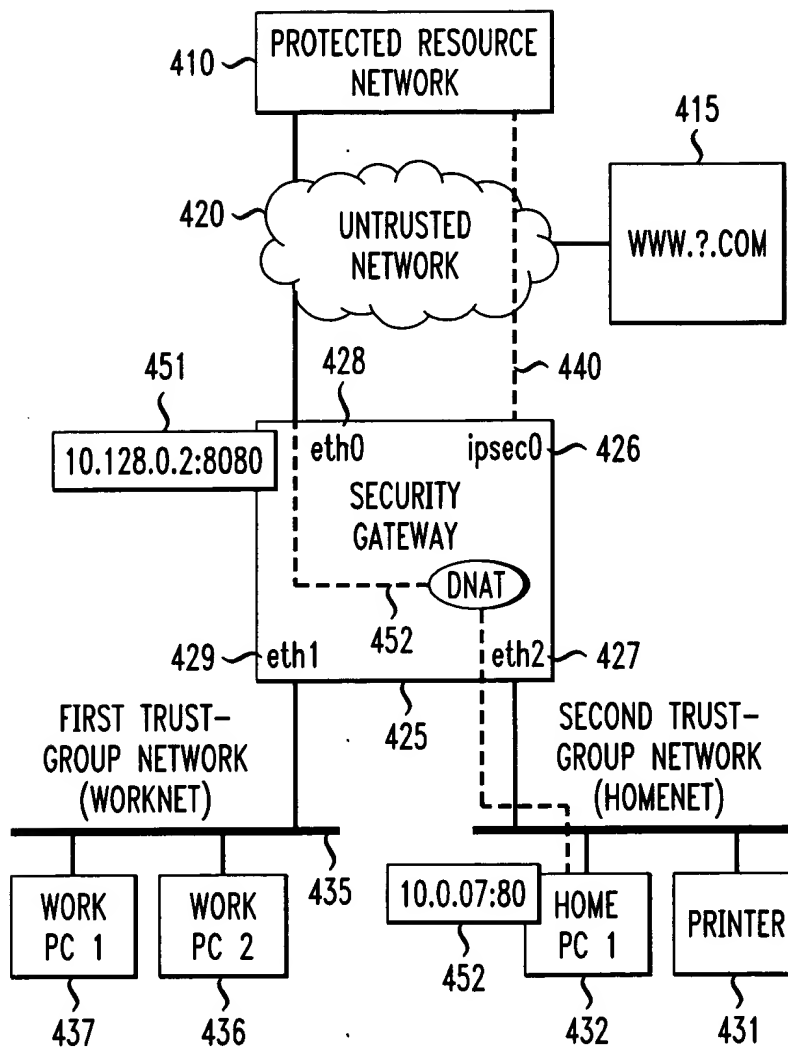
Chain POSTROUTING (policy ACCEPT 0 packets, 0 bytes)

pkts	bytes	target	prot	opt	in	out	source	destination
391	0	SNAT	all	--	*	eth0	0.0.0.0/0	0.0.0.0/0

to:10.128.0.2

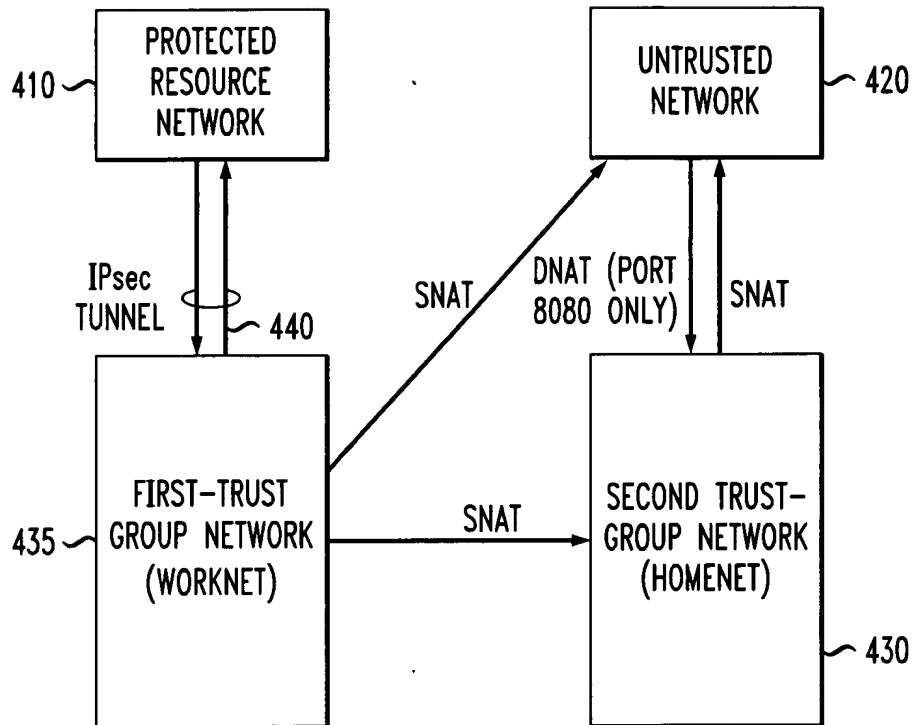
13/33

FIG. 4A



14/33

FIG. 4B



15/33

FIG. 4C

worknet/homenet/web-server									
Chain PREROUTING (policy DROP 0 packets, 0 bytes)									
pkts	bytes	target	prot	opt	in	out	source	destination	
470	0	DROP	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 25
	0	DROP	tcp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	tcp dpt : 25
	0	DROP	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 53
	0	DROP	tcp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	tcp dpt : 53
	0	DROP	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 6010
	0	DROP	tcp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	tcp dpt : 6010
	0	DROP	udp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	udp dpt : 53
	0	DROP	udp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	udp dpt : 53
	0	DROP	udp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	udp dpt : 1025
	0	DROP	udp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	udp dpt : 1025
471	0	ACCEPT	all	--	lo	*	0.0.0.0/0	0.0.0.0/0	
472	0	DROP	all	--	eth1	*	!135.207.12.200/29	0.0.0.0/0	
	0	DROP	all	--	eth1	*	0.0.0.0/0	10.128.0.2	
473	0	ACCEPT	all	--	eth1	*	0.0.0.0/0	0.0.0.0/0	
	0	DROP	all	--	eth2	*	!10.0.0.0/9	0.0.0.0/0	
	0	DROP	all	--	eth2	*	0.0.0.0/0	10.128.0.2	
	0	DROP	all	--	eth2	*	0.0.0.0/0	135.207.12.200/29	
474	0	ACCEPT	all	--	eth2	*	0.0.0.0/0	0.0.0.0/0	
	0	ACCEPT	all	--	ipsec0	*	135.0.0.0/8	135.207.12.200/29	
475	0	DROP	all	--	ipsec0	*	0.0.0.0/0	0.0.0.0/0	
	0	DROP	all	--	eth0	*	0.0.0.0/0	!10.128.0.2	
	0	DNAT	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 8080
	0	DNAT	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	
to:10.0.0.0.07:80									
476	0	ACCEPT	all	--	eth0	*	0.0.0.0/0	0.0.0.0/0	
	0	DROP	all	--	*	*	0.0.0.0/0	0.0.0.0/0	

16/33

FIG. 4D

480

worknet/homenet/web-server

----- Routing rules:

0: from all lookup local

500: from all iif eth1 lookup from.work.ifc

500: from all iif lo lookup from.this.host

32766: from all lookup main

32767: from all lookup default

----- Main routing table (main) :

135.207.12.200/29 dev eth1 scope link src 135.207.12.201

10.128.0.0/24 dev eth0 scope link

10.0.0.0/9 dev eth2 scope link src 10.0.0.1

127.0.0.0/8 dev lo scope link

default via 10.128.0.1 dev eth0 src 10.128.0.2

----- Routing for packets from work_ifc to tunnel (from.work.ifc) :

blackhole 135.207.12.200/29

135.0.0.0/8 dev ipsec0 scope link

----- Routing for packets from localhost to tunnel (from.this.host) :

135.207.12.200/29 dev eth1 scope link src 135.207.12.201

135.0.0.0/8 dev ipsec0 scope link src 135.207.12.201

17/33

FIG. 4E

490

worknet/homenet/web-server

Chain POSTROUTING (policy ACCEPT 0 packets, 0 bytes)

pkts	bytes	target	prot	opt	in	out	source	destination
0	0	SNAT	all	--	*	eth0	0.0.0.0/0	to:10.128.0.2
0	0	SNAT	all	--	*	eth2	0.0.0.0/0	to:10.0.0.1

18/33

FIG. 5A

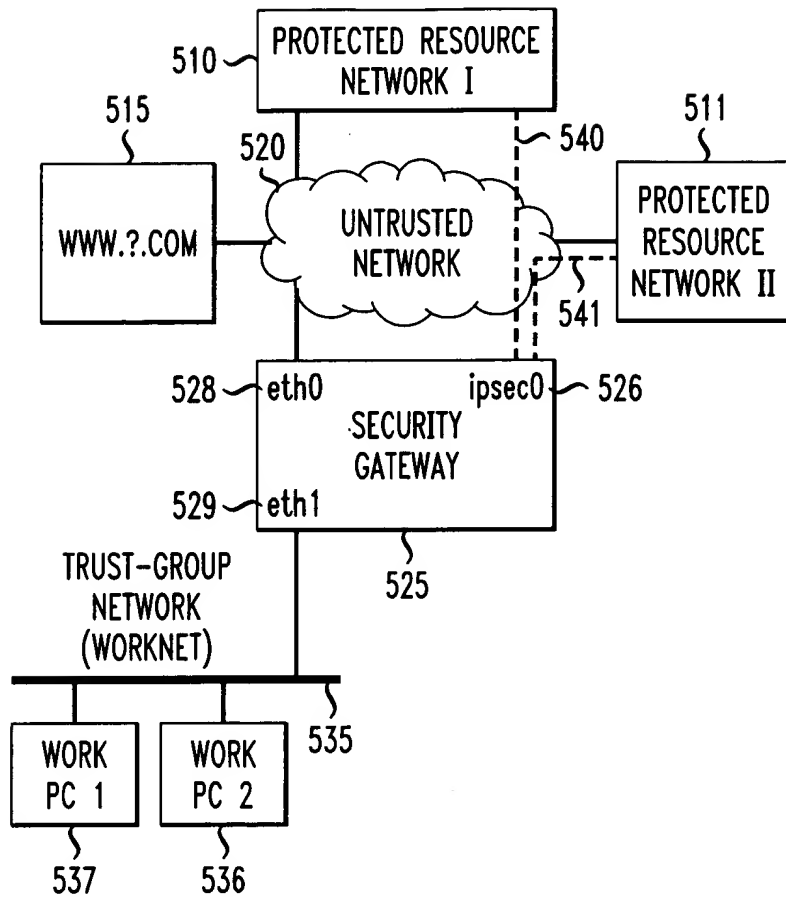
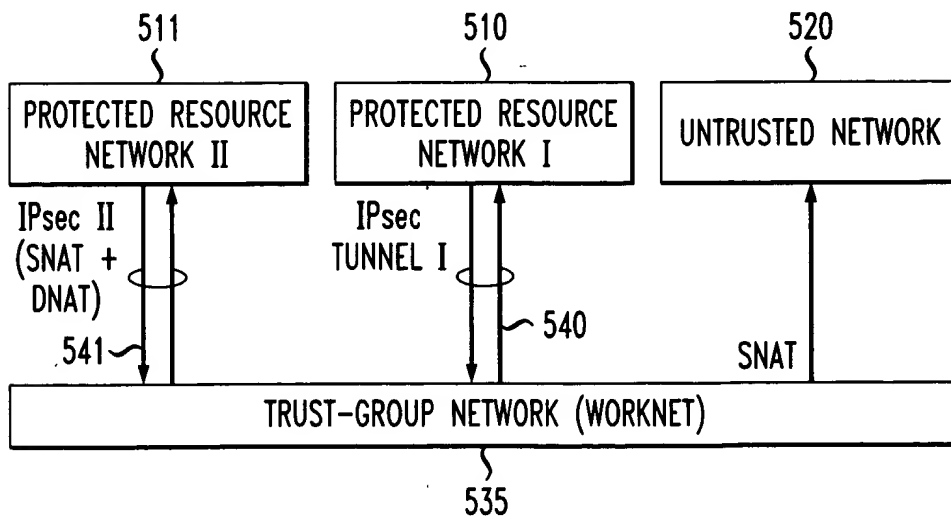


FIG. 5B



19/33

FIG. 5C

560

worknet/consultant without homenet

Chain PREROUTING (policy DROP 0 packets, 0 bytes)

pkts	bytes	target	prot	opt	in	out	source	destination	
0	0	DROP	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 25
0	0	DROP	tcp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	tcp dpt : 25
0	0	DROP	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 53
0	0	DROP	tcp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	tcp dpt : 53
0	0	DROP	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 6010
0	0	DROP	tcp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	tcp dpt : 6010
0	0	DROP	udp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	udp dpt : 53
0	0	DROP	udp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	udp dpt : 53
0	0	DROP	udp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	udp dpt : 1025
0	0	DROP	udp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	udp dpt : 1025
0	0	ACCEPT	all	--	lo	*	0.0.0.0/0	0.0.0.0/0	
0	0	DROP	all	--	eth1	*	!135.207.12.200/29	0.0.0.0/0	
0	0	DROP	all	--	eth1	*	0.0.0.0/0	10.128.0.2	
0	0	ACCEPT	all	--	eth1	*	0.0.0.0/0	0.0.0.0/0	
0	0	DNAT	all	--	ipsec0	*	136.0.0.0/8	136.0.0.203	to:135.207.12.203
0	0	DNAT	all	--	ipsec0	*	136.0.0.0/8	136.0.0.201	to:135.207.12.201
0	0	ACCEPT	all	--	ipsec0	*	135.0.0.0/8	135.207.12.200/29	
0	0	DROP	all	--	ipsec0	*	0.0.0.0/0	0.0.0.0/0	
0	0	DROP	all	--	eth0	*	0.0.0.0/0	!10.128.0.2	
0	0	ACCEPT	all	--	eth0	*	0.0.0.0/0	0.0.0.0/0	
0	0	DROP	all	--	*	*	0.0.0.0/0	0.0.0.0/0	

570

571

572

573

574

575

20/33

FIG. 5D

580

worknet/consultant without homenet

```
----- Routing rules:
581 { 0:    from all lookup local
      500:  from all iif eth1 lookup from.work.ifc
      500:  from all iif lo lookup from.this.host
      32766: from all lookup main
      32767: from all lookup default
----- Main routing table (main) :
582 { 135.207.12.200/29 dev eth1  scope link  src 135.207.12.201
      10.128.0.0/24 dev eth0  scope link
      127.0.0.0/8 dev lo  scope link
      default via 10.128.0.1 dev eth0  src 10.128.0.2
----- Routing for packets from work_ifc to tunnel ( from.work.ifc ) :
583 { 136.0.0.0/8 dev ipsec0  scope link
      blackhole 135.207.12.200/29
      135.0.0.0/8 dev ipsec0  scope link
----- Routing for packets from localhost to tunnel ( from.this.host ) :
584 { 136.0.0.0/8 dev ipsec0  scope link  src 135.207.12.201
      135.207.12.200/29 dev eth1  scope link  src 135.207.12.201
      135.0.0.0/8 dev ipsec0  scope link  src 135.207.12.201
```

worknet/consultant without homenet

Chain POSTROUTING (policy ACCEPT 0 packets, 0 bytes)

pkts	bytes	target	prot	opt	in	out	source	destination
591	0	SNAT	all	--	*	eth0	0.0.0.0/0	0.0.0.0/0
592	0	SNAT	all	--	*	*	135.207.12.203	136.0.0.0/8
593	0	SNAT	all	--	*	*	135.207.12.201	136.0.0.0/8

22/33

FIG. 6A

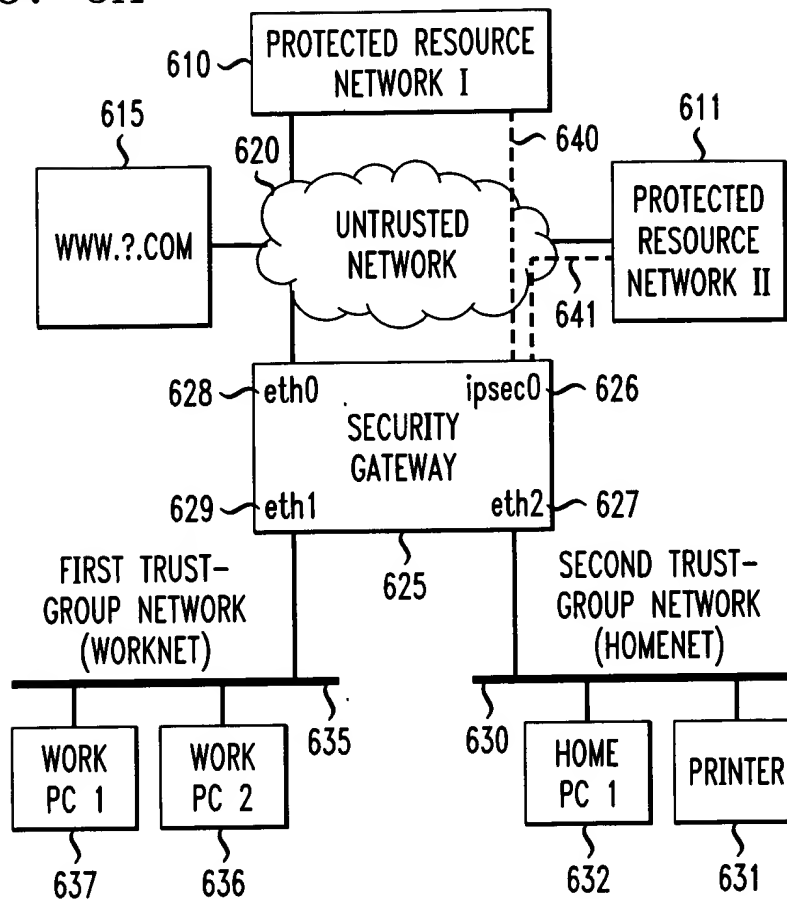
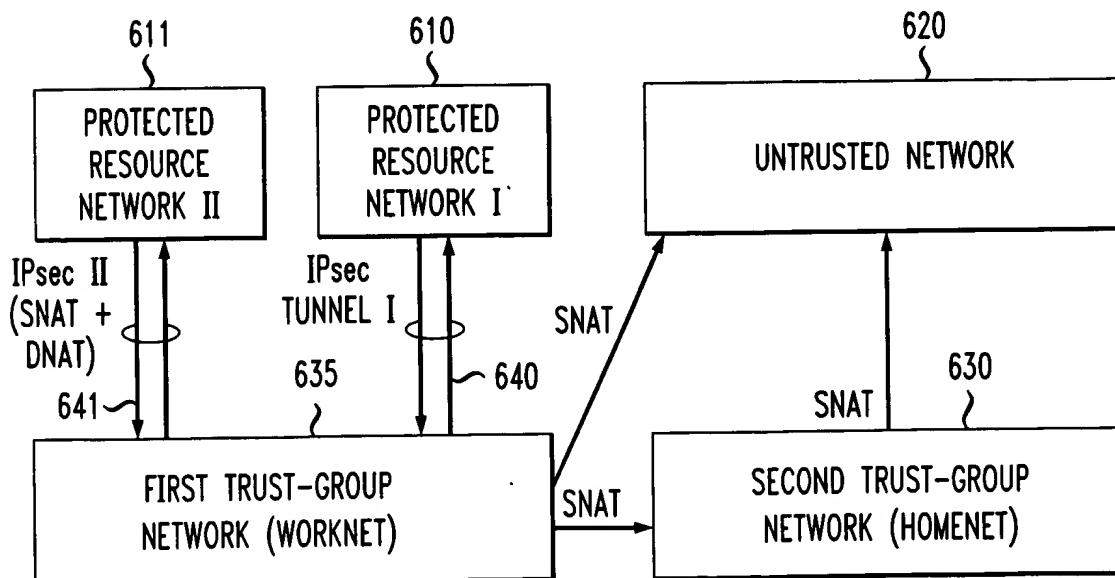


FIG. 6B



23/33

worknet/homenet/consultant

Chain PREROUTING (policy DROP 0 packets, 0 bytes)

pkts	bytes	target	prot	opt	in	out	source	destination	
0	0	DROP	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 25
0	0	DROP	tcp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	tcp dpt : 25
0	0	DROP	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 53
0	0	DROP	tcp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	tcp dpt : 53
0	0	DROP	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 6010
0	0	DROP	tcp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	tcp dpt : 6010
0	0	DROP	udp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	udp dpt : 53
0	0	DROP	udp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	udp dpt : 53
0	0	DROP	udp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	udp dpt : 1025
0	0	DROP	udp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	udp dpt : 1025
670	0	ACCEPT	all	--	lo	*	0.0.0.0/0	0.0.0.0/0	
671	0	DROP	all	--	eth1	*	!135.207.12.200/29	0.0.0.0/0	
672	0	DROP	all	--	eth1	*	0.0.0.0/0	10.128.0.2	
0	0	ACCEPT	all	--	eth1	*	0.0.0.0/0	0.0.0.0/0	
0	0	DROP	all	--	eth2	*	!10.0.0.0/9	0.0.0.0/0	
0	0	DROP	all	--	eth2	*	0.0.0.0/0	10.128.0.2	
0	0	DROP	all	--	eth2	*	0.0.0.0/0	135.207.12.200/29	
0	0	DROP	all	--	eth2	*	0.0.0.0/0	136.0.0.203	
0	0	DROP	all	--	eth2	*	0.0.0.0/0	136.0.0.201	
0	0	ACCEPT	all	--	eth2	*	0.0.0.0/0	0.0.0.0/0	
0	0	DNAT	all	--	ipsec0	*	136.0.0.0/8	to:235.207.12.203	
0	0	DNAT	all	--	ipsec0	*	136.0.0.0/8	to:135.207.12.201	
0	0	ACCEPT	all	--	ipsec0	*	135.0.0.0/8	135.207.12.200/29	
0	0	DROP	all	--	ipsec0	*	0.0.0.0/0	0.0.0.0/0	
0	0	DROP	all	--	eth0	*	0.0.0.0/0	!10.128.0.2	
0	0	ACCEPT	all	--	eth0	*	0.0.0.0/0	0.0.0.0/0	
0	0	DROP	all	--	*	*	0.0.0.0/0	0.0.0.0/0	
676	0	DROP	all	--					

FIG. 6C

660

FIG. 6D

680

worknet/homenet consultant

```
----- Routing rules:
681 { 0:      from all lookup local
      500:   from all iif eth1 lookup from.work.ifc
      500:   from all iif lo lookup from.this.host
      32766:  from all lookup main
      32767:  from all lookup default
----- Main routing table (main) :
682 { 135.207.12.200/29 dev eth1  scope link  src 135.207.12.201
      10.128.0.0/24 dev eth0  scope link
      10.0.0.0/9 dev eth0  scope link
      127.0.0.0/8 dev lo  scope link
      default via 10.128.0.1 dev eth0  src 10.128.0.2
----- Routing for packets from work_ifc to tunnel ( from.work.ifc ) :
683 { 136.0.0.0/8 dev ipsec0  scope link
      blackhole 135.207.12.200/29
      135.0.0.0/8 dev ipsec0  scope link
----- Routing for packets from localhost to tunnel ( from.this.host ) :
684 { 136.0.0.0/8 dev ipsec0  scope link  src 135.207.12.201
      135.207.12.200/29 dev eth1  scope link  src 135.207.12.201
      135.0.0.0/8 dev ipsec0  scope link  src 135.207.12.201
```


25/33

FIG. 6E

690

worknet/homenet/consultant

Chain POSTROUTING (policy ACCEPT 0 packets, 0 bytes)

691	pkts	bytes	target	prot	opt	in	out	source	destination	
692	0	0	SNAT	all	--	*	eth0	0.0.0.0/0	0.0.0.0/0	to:10.128.0.2
693	0	0	SNAT	all	--	*	eth2	0.0.0.0/0	0.0.0.0/0	to:10.0.0.1
694	0	0	SNAT	all	--	*	*	135.207.12.203	136.0.0.0/8	to:136.0.0.203
								135.207.12.201	136.0.0.0/8	to:136.0.0.201

26/33

FIG. 7A

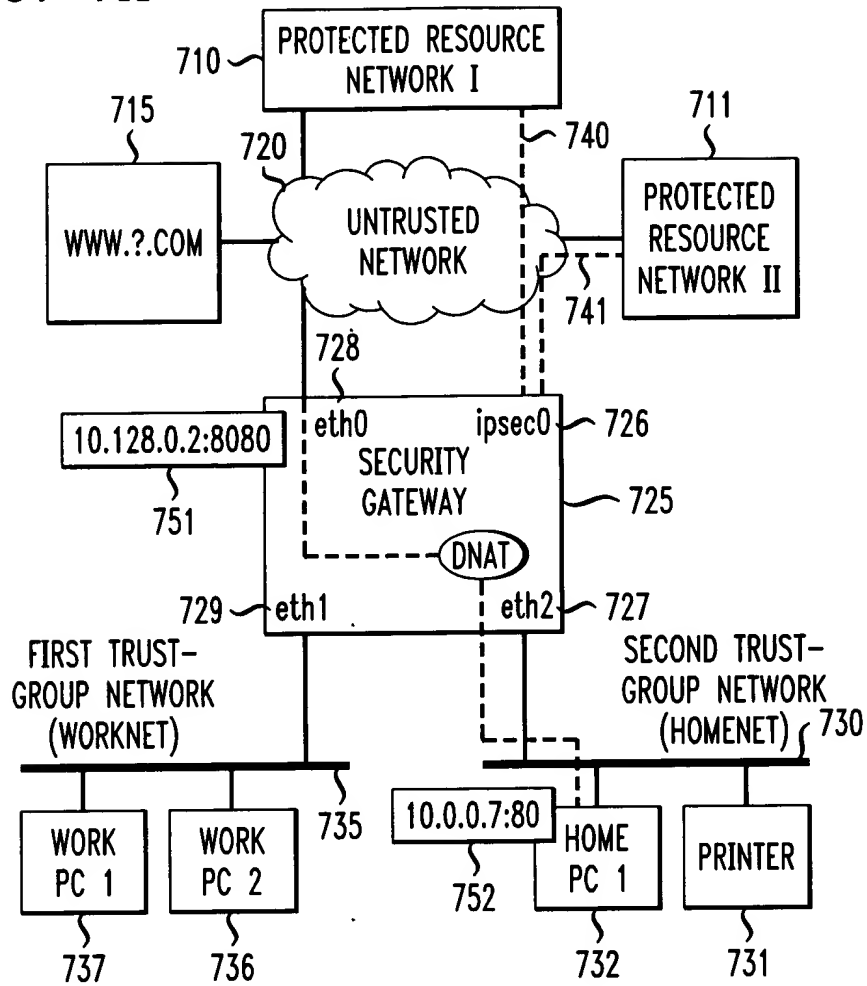
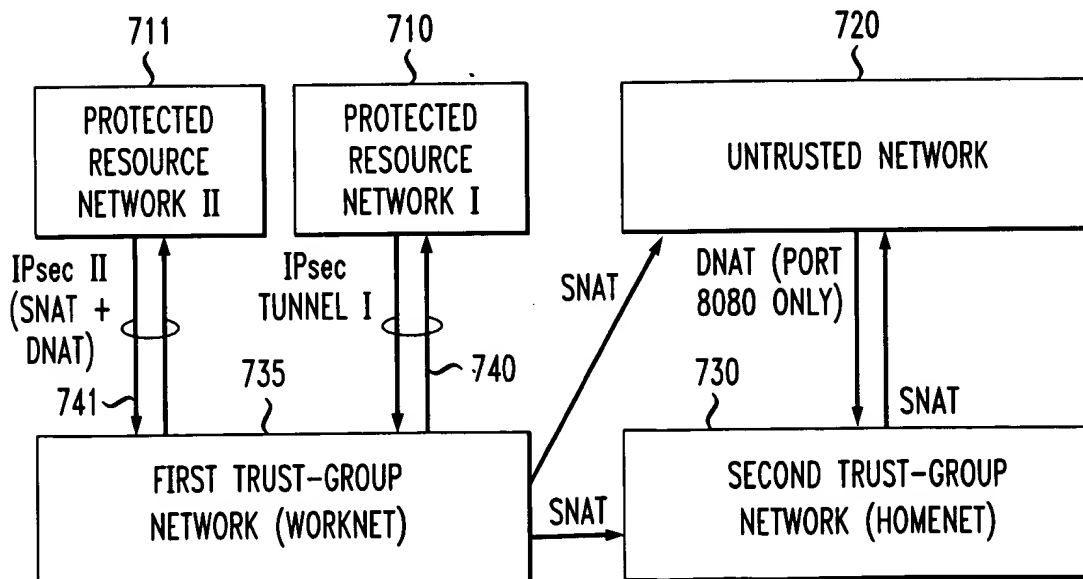


FIG. 7B



27/33

FIG. 7C

760

worknet/homenet/web-server/consult

Chain PREROUTING (policy DROP 0 packets, 0 bytes)

pkts	bytes	target	prot	opt	in	out	source	destination	
770	0	DROP	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 25
	0	DROP	tcp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	tcp dpt : 25
	0	DROP	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 53
	0	DROP	tcp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	tcp dpt : 53
	0	DROP	tcp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	tcp dpt : 6010
	0	DROP	tcp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	tcp dpt : 6010
	0	DROP	udp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	udp dpt : 53
	0	DROP	udp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	udp dpt : 53
	0	DROP	udp	--	eth0	*	0.0.0.0/0	0.0.0.0/0	udp dpt : 1025
	0	DROP	udp	--	ipsec0	*	0.0.0.0/0	135.207.12.201	udp dpt : 1025
771	0	ACCEPT	all	--	lo	*	0.0.0.0/0	0.0.0.0/0	
	0	DROP	all	--	eth1	*	135.207.12.200/29	0.0.0.0/0	
772	0	DROP	all	--	eth1	*	0.0.0.0/0	10.128.0.2	
	0	ACCEPT	all	--	eth1	*	0.0.0.0/0	0.0.0.0/0	

	0	DROP	all	--	* eth2	!10.0.0.0/9	0.0.0.0/0
	0	DROP	all	--	* eth2	0.0.0.0/0	10.128.0.2
773	0	DROP	all	--	* eth2	0.0.0.0/0	135.207.12.200/29
	0	DROP	all	--	* eth2	0.0.0.0/0	136.0.0.203
	0	DROP	all	--	* eth2	0.0.0.0/0	136.0.0.201
	0	ACCEPT	all	--	* eth2	0.0.0.0/0	0.0.0.0/0
	0	DNAT	all	--	* ipsec0	136.0.0.0/8	136.0.0.203 to:235.207.12.203
774	0	DNAT	all	--	* ipsec0	136.0.0.0/8	136.0.0.201 to:135.207.12.201
	0	ACCEPT	all	--	* ipsec0	135.0.0.0/8	135.207.12.200/29
	0	DROP	all	--	* ipsec0	0.0.0.0/0	0.0.0.0/0
	0	DROP	all	--	* eth0	0.0.0.0/0	!10.128.0.2
775	0	DNAT	tcp	--	* eth0	0.0.0.0/0	0.0.0.0/0
	0	ACCEPT	all	--	* eth0	0.0.0.0/0	0.0.0.0/0
776	0	DROP	all	--	*	0.0.0.0/0	0.0.0.0/0

29/33

FIG. 7D

780

worknet/homenet/web-server/consult

```
----- Routing rules:
781 { 0:      from all lookup local
      500:    from all iif eth1 lookup from.work.ifc
      500:    from all iif lo lookup from.this.host
      32766:   from all lookup main
      32767:   from all lookup default
----- Main routing table (main) :
782 { 135.207.12.200/29 dev eth1  scope link  src 135.207.12.201
      10.128.0.0/24 dev eth0  scope link
      10.0.0.0/9 dev eth0  scope link  src 10.0.0.1
      127.0.0.0/8 dev lo  scope link
      default via 10.128.0.1 dev eth0  src 10.128.0.2
----- Routing for packets from work_ifc to tunnel ( from.work.ifc ) :
783 { 136.0.0.0/8 dev ipsec0  scope link
      blackhole 135.207.12.200/29
      135.0.0.0/8 dev ipsec0  scope link
----- Routing for packets from localhost to tunnel ( from.this.host ) :
784 { 136.0.0.0/8 dev ipsec0  scope link  src 135.207.12.201
      135.207.12.200/29 dev eth1  scope link  src 135.207.12.201
      135.0.0.0/8 dev ipsec0  scope link  src 135.207.12.201
```

30/33

FIG. 7E

790

worknet/homenet/web-server/consult

Chain POSTROUTING (policy ACCEPT 0 packets, 0 bytes)

	pkts	bytes	target	prot	opt	in	out	source	destination
791	0	0	SNAT	all	--	*	eth0	0.0.0.0/0	to:10.128.0.2
792	0	0	SNAT	all	--	*	eth2	0.0.0.0/0	to:10.0.0.1
793	0	0	SNAT	all	--	*	*	135.207.12.203	to:136.0.0.203
794	0	0	SNAT	all	--	*	*	135.207.12.201	to:136.0.0.201

31/33

FIG. 8A

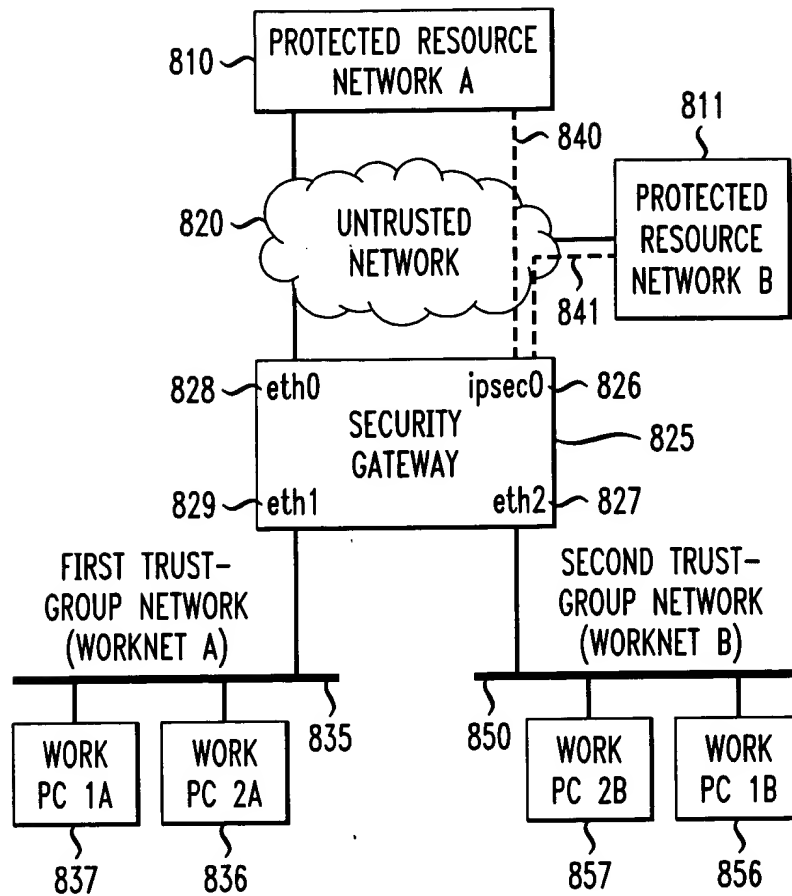
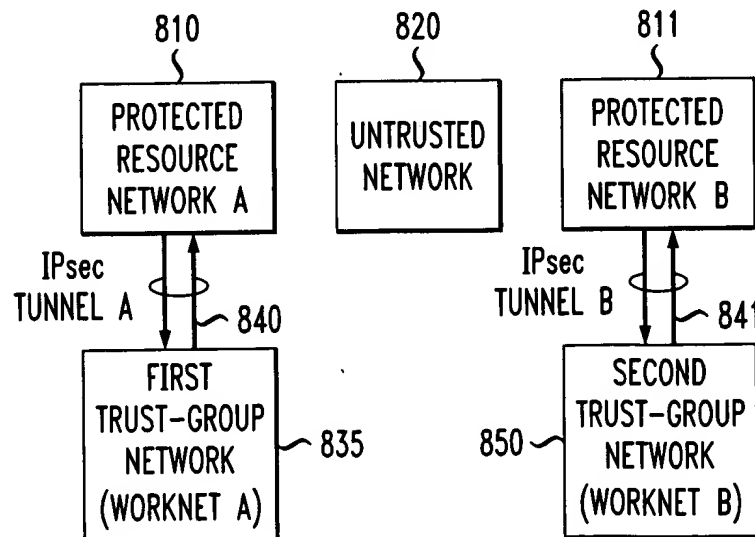


FIG. 8B



32/33

FIG. 9A

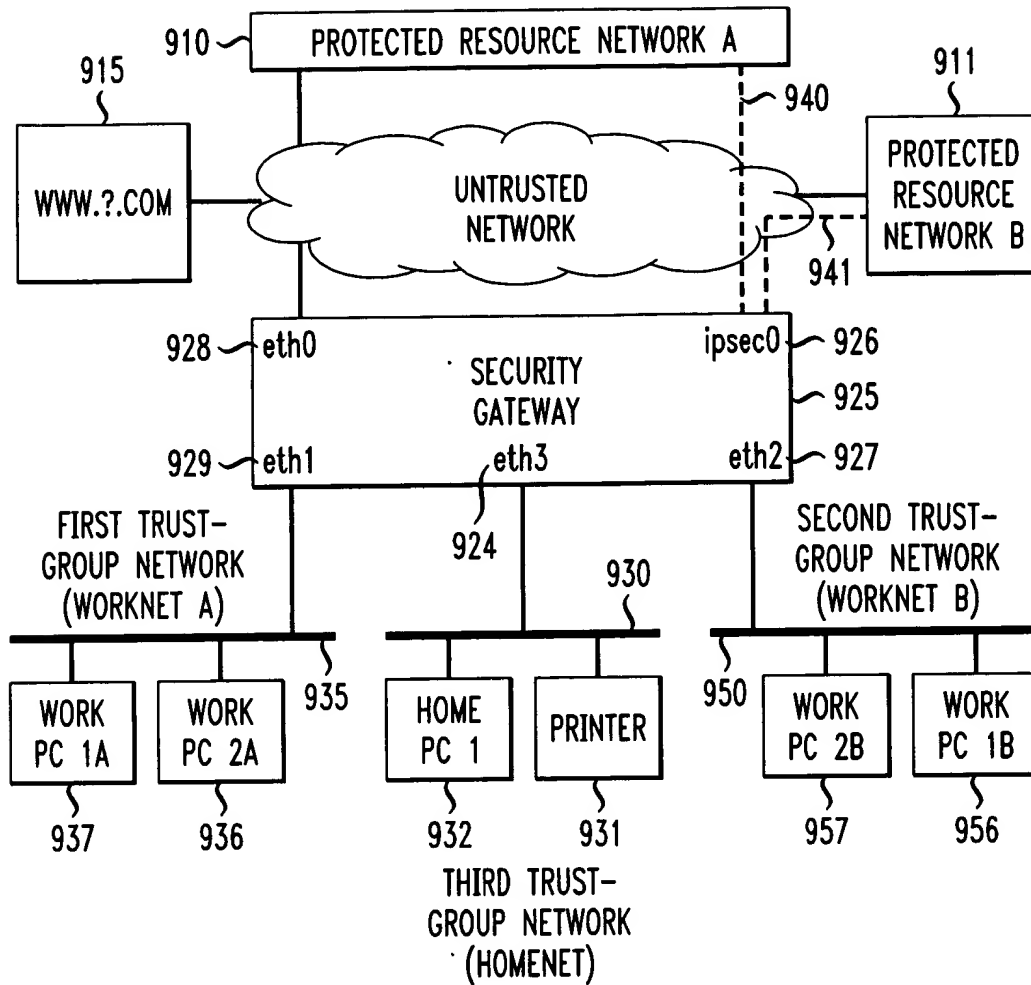
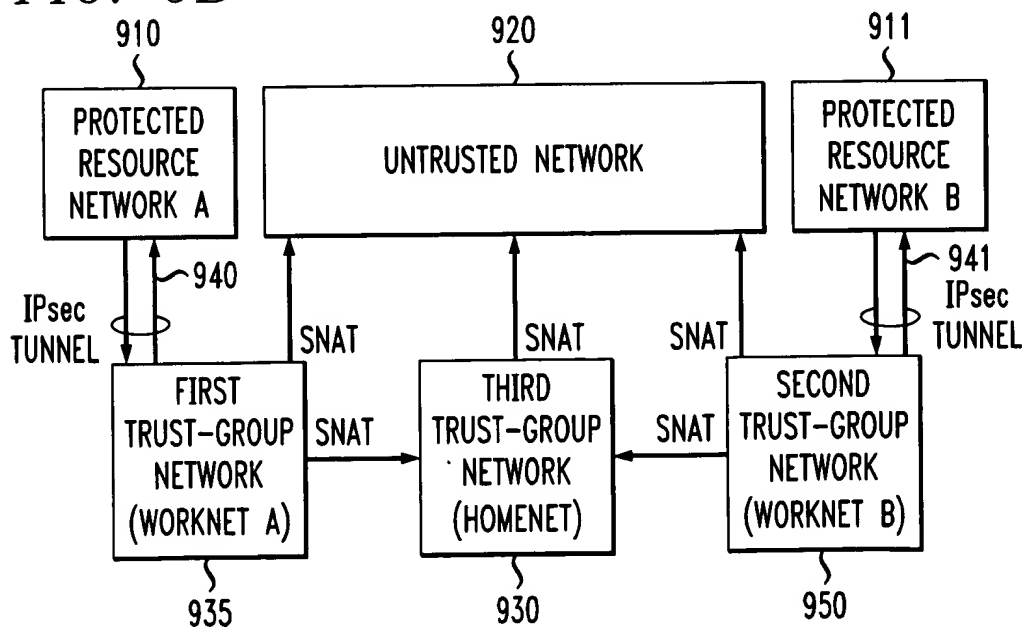


FIG. 9B



33/33

FIG. 10

